

# Converting Colors

$Y_{xy}(46.2613, 0.4252, 0.4170)$

Have a look what the booklet for  
Yxy(46.2613, 0.4252, 0.4170)  
contains.

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# Color

**Yxy(46.2613, 0.4252, 0.4170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEAD60
RGB	222, 173, 96
RGB Percent	87%, 68%, 38%
CMY	0.1295, 0.3215, 0.6236
CMYK	0.00, 0.22, 0.57, 0.13
HSL	37°, 66%, 62%
HSV	37°, 57%, 87%
XYZ	47.1710, 46.2613, 17.5061
YIQ	178.8730, 53.9210, -13.5590

# Conversions

## Conversions Part 2

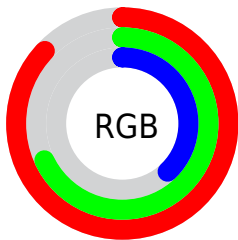
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 222, 96
Decimal	14593376
CIELab	73.71, 9.17, 45.93
CIELCh	74, 46.834, 78.715
Yxy	46.2613, 0.4252, 0.4170
Android (android.graphics.Color)	4292783456 (0xFFDEAD60)
YUV	178.8730, -40.8564, 37.8224
Hunter-Lab	68.0157, 4.7679, 32.3507

# Details

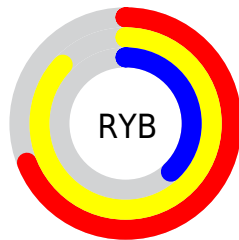
The Yxy color **46.2613, 0.4252, 0.4170** is a light color, and the websafe version is hex **CC9933**. A complement of this color would be **27.9888, 0.2178, 0.2168**, and the grayscale version is **45.2079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8849, 0.3860, 0.4097**, and **21.7645, 0.4528, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **42.7089, 0.4481, 0.4283**, and if you desaturate by 10%, it is **50.1471, 0.4022, 0.4030**.

# Distribution



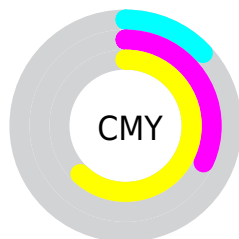
- Red (87%)
- Green (68%)
- Blue (38%)



- Red (69%)
- Yellow (87%)
- Blue (38%)



- Cyan (0%)
- Magenta (22%)
- Yellow (57%)
- Black (13%)




- Cyan (13%)
- Magenta (32%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2613, 0.4252, 0.4170 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.2613, 0.4252, 0.4170 by changing the saturation by 10% instead.





 46.2613, 0.4252,  
0.4170


 46.2613, 0.4252,  
0.4170


371.8582, 0.3705,  
0.3763

 32.4521, 0.4377,  
0.4255


 84.6099, 0.4060,  
0.4033


 21.7070, 0.4528,  
0.4354


 109.9181, 0.3986,  
0.3978

 13.6418, 0.4711,  
0.4463


 139.8280, 0.3922,  
0.3930

 7.8719, 0.4930,  
0.4574

 174.7242, 0.3867,  
0.3888

 4.0131, 0.5264,  
0.4736

214.9908, 0.3819,  
0.3851

 1.6809, 0.5391,  
0.4609

261.0125, 0.3776,

 0.4112, 0.5991,

0.3819

0.4009

313.1734, 0.3739,  
0.3789

0.0000, 0.0000,  
0.0000

46.2613, 0.4252,  
0.4170

46.2613, 0.4252,  
0.4170

42.7089, 0.4481,  
0.4283

50.1471, 0.4022,  
0.4030

39.4692, 0.4698,  
0.4355

54.3722, 0.3801,  
0.3874

36.5286, 0.4891,  
0.4379

58.9508, 0.3593,  
0.3711

33.8679, 0.5050,  
0.4350

63.8937, 0.3404,  
0.3549

33.0556, 0.5098,  
0.4334

69.2115, 0.3232,  
0.3392

■ 74.9138, 0.3079,  
0.3243

■ 81.0101, 0.2944,  
0.3104

■ 86.2557, 0.2925,  
0.3157

■ 91.5114, 0.2927,  
0.3245

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2613, 0.4435, 0.3705



46.2613, 0.4252, 0.4170



46.2613, 0.3769, 0.4466

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.2613, 0.4252, 0.4170



46.2613, 0.2129, 0.3228



46.2613, 0.3000, 0.2430

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.2613, 0.4252, 0.4170



27.9888, 0.2178, 0.2168

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.2613, 0.2430, 0.2280



46.2613, 0.4252, 0.4170



46.2613, 0.1972, 0.2664

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2613, 0.4252, 0.4170



46.2613, 0.2544, 0.3911



46.2613, 0.2076, 0.2348



46.2613, 0.3672, 0.2759



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2613, 0.4252, 0.4170



46.2613, 0.3357, 0.4473



46.2613, 0.2076, 0.2348



46.2613, 0.2790, 0.2358

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.2635, 0.4252, 0.4170



87.2366, 0.3410, 0.3555



25.9750, 0.4126, 0.2712



18.3709, 0.3448, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2635, 0.4252, 0.4170



57.6715, 0.4521, 0.4299



66.6780, 0.3837, 0.4684



15.0886, 0.3277, 0.3433



19.8629, 0.5081, 0.4348



1.5491, 0.4908, 0.4485

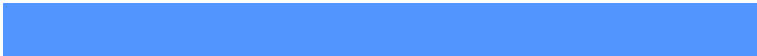


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9888, 0.2178, 0.2168



30.4815, 0.1996, 0.1887



16.8607, 0.2117, 0.1511



14.1123, 0.2981, 0.3143



7.3107, 0.1677, 0.1236



0.6769, 0.1762, 0.1544



# Previews

## White Background



This preview shows how the Yxy color 46.2613, 0.4252, 0.4170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

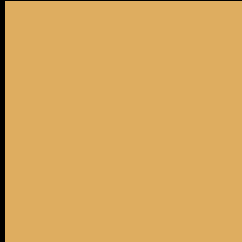
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2613, 0.4252, 0.4170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.2613, 0.4252, 0.4170**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.2613, 0.4252, 0.4170.



This preview shows how white text looks on a background with the Yxy color 46.2613, 0.4252, 0.4170.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

46.2613, 0.4252, 0.4170

### Protanopia

46.6361, 0.3963, 0.4319

### Deuteranopia

46.2613, 0.4252, 0.4170



## Tritanopia

46.3435, 0.3635, 0.3153

# Trichromacy



**Original Color**

46.2613, 0.4252, 0.4170

**Protanomaly**

46.5319, 0.4065, 0.4266

**Deuteranomaly**

46.2613, 0.4252, 0.4170

**Tritanomaly**

45.9128, 0.3876, 0.3527

# Monochromacy



**Original Color**

46.2613, 0.4252, 0.4170

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

45.2163, 0.3528, 0.3654

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2613, 0.4252, 0.4170 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 173, 96)` looks like.

```
.text, #text, p{  
    color:rgb(222, 173, 96)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 173, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 173, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2613, 0.4252, 0.4170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 173, 96) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(222, 173, 96) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(222, 173, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 173, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 173, 96);  
box-shadow:4px 4px 4px 4px rgb(222, 173,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2613, 0.4252, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 173, 96) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
173, 96) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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